

Amendments to the Specification:

Please replace paragraph [0006] with the following:

-- There are differences between open and closed loop systems that lead to various advantages when using one technique instead of the other. For example, in the closed loop system the receiver, such as the mobile station, provides feedback to the transmitter, such as a base station. On the other hand, in the open loop system the transmitter does not receive feedback from the receiver. More specifically, in the closed loop systems the mobile station provides feedback to the base station that relating to the power and phase of each carrier signal associated with each channel. In response to the feedback received, the base station varies the transmission characteristics of each carrier signal ~~associate~~ associated with each antenna to obtain optimal carrier signal response at the receiver ~~is response to the feedback~~. --

Please replace paragraph [0025] with the following:

-- Once the modulated carrier signal is received at the mobile station 30, the unit 34 demodulates the modulated carrier signal to recover the data stream. The modulated carrier signal is received from each of the channels 26 and 28 and includes various forms of noise, including the effects of fading. However, given that there are two paths and that each path will have different fading effects, there is a difference in the characteristics of the two modulated carrier signal signals received at the mobile station 30. Based on this difference, the unit 36 can determine feedback information, as discussed below, that can be provided to send to the base station 20. --